

**MONMOUTH UNIVERSITY**

Office of the Registrar

2019\*2020 Sequence Chart

**CE.ACS.BS.19**

**B.S. IN CHEMISTRY AND A CONCENTRATION IN ADVANCED CHEMISTRY**

**SEMESTER 1**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN101	YES		COLLEGE COMPOSITION 1	3.0
CE111 & CE111L	YES	NS	GENERAL CHEMISTRY I & LAB (GEN*ED NATURAL SCIENCE)	4.0
IT102	YES	TL	INFORM. TECH. FOR SCIENTISTS	3.0
MA125	YES		CALCULUS W/ANAL. GEOMETRY (GEN*ED MATH)	4.0
FY101	YES		FIRST YEAR SEMINAR	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 2**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN102	YES		COLLEGE COMPOSITION 2	3.0
CE112 & CE112L		NS	GENERAL CHEMISTRY II & LAB (GEN*ED NATURAL SCIENCE)	4.0
MA126			CALCULUS W/ANAL. GEOMETRY II	4.0
HSxxx	YES	HS.SV	GEN*ED HISTORICAL PERSPECTIVES	3.0
<b>SEMESTER CREDITS</b>				<b>14.0</b>

**SEMESTER 3**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CE241 & CE241L			ORGANIC CHEMISTRY I & LAB	5.0
PH211 & PH211L			GEN. PHYS. W/CALCULUS I & LAB	5.0
xxx			FREE ELECTIVE	3.0
xxx	YES	HS.SV or SS.SV	HIST. PERSP. or SOC. SCI.	3.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

**SEMESTER 4**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
AR,MU DA or TH	YES	AT	GEN*ED AESTHETICS	3.0
CE221 & CE221L			ANALYTICAL CHEMISTRY I & LAB	4.0
PH212 & PH212L			GEN. PHYS. W/CALCULUS II & LAB	5.0
CE242 & CE242L			ORGANIC CHEMISTRY II & LAB	5.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

SEE CURRICULUM CHART or DEGREE AUDIT FOR COMPLETE TITLE OF ALL COURSES. BE CERTAIN TO CONSULT WITH YOUR ADVISOR.

SEE WEBadvisor "SECTIONS OFFERED BY TERM" FOR COMPLETE LISTING OF COURSES WITH ASSOCIATED COURSE\*TYPES.

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**SEMESTER 5**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx	YES	SS.SV	GEN*ED SOCIAL SCIENCE	3.0
CE331 CE331L			BIOCHEMISTRY I & LAB	4.0
CE341 & CE341L			PHYS CHEM I & LAB	4.0
CE401 & CE401L			ADV. INORGANIC CHEM. & LAB	4.0
CE311			CHEMICAL LITERATURE	1.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

**SEMESTER 6**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CE342 & CE342L			PHYS CHEM II & LAB	4.0
xxx	YES	CD	GEN*ED CULTURAL DIVERSITY	3.0
CE350			RESEARCH IN CHEMISTRY*	3.0
ENxxx	YES	LIT	GEN*ED LITERATURE	3.0
xxx			FREE ELECTIVES	3.0
CE410	YES	RD	SEMINAR	1.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 7**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx	YES	GU	GEN*ED GLOBAL UNDERSTAND.	3.0
CExxx			ADVANCED CHEM. ELECTIVE	3.0
CE322 & CE322L	YES	WT	ANALYTICAL CHEMISTRY II & LAB	5.0
xxx			FREE ELECTIVES	5.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

**SEMESTER 8**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CExxx			ADVANCED CHEM. ELECTIVE	3.0
xxx	YES	ISP	GEN*ED INTERDISC. PERSPECT.	3.0
xxx			FREE ELECTIVES	9.0
<b>SEMESTER CREDITS</b>				<b>15.0</b>

\*May be taken over several semesters